

PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

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**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

5

Application Number

10/646,533

Filing Date

08/22/2003

First Named Inventor

Kenneth COLLINS, et al.

Art Unit

2813

Examiner Name

Jack S. Chen

Attorney Docket Number

006915 P02

**ENCLOSURES (Check all that apply)**

Fee Transmittal Form



Fee Attached



Amendment/Reply



After Final



Affidavits/declaration(s)



Extension of Time Request



Express Abandonment Request



Information Disclosure Statement



Certified Copy of Priority Document(s)

Reply to Missing Parts/  
Incomplete ApplicationReply to Missing Parts  
under 37 CFR 1.52 or 1.53

Drawing(s)



Licensing-related Papers



Petition

Petition to Convert to a  
Provisional Application

Power of Attorney, Revocation



Change of Correspondence Address



Terminal Disclaimer



Request for Refund



CD, Number of CD(s) \_\_\_\_\_

☐ Landscape Table on CD

Remarks



After Allowance Communication to TC

Appeal Communication to Board  
of Appeals and InterferencesAppeal Communication to TC  
(Appeal Notice, Brief, Reply Brief)

Proprietary Information



Status Letter

Other Enclosure(s) (please identify  
below):**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Name

Law Office of Robert M. Wallace

Signature

Printed name

Robert M. Wallace

Date

05/24/2005

Reg. No.

29,1199

**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature

Typed or printed name

Shelly Hart

Date

MAY 24, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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CERTIFICATE OF MAILING  
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on MAY 24 2005 (Date of Deposit)  
05/24/05  
Date Name Jeffrey Hunt

PATENT

Attorney Docket No.: 6915 P02  
RW Ref. No.: APM/001-02-CP1-2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )  
Kenneth COLLINS, et al. ) Group Art Unit: 2813  
)  
Entitled: PLASMA IMMERSION ION ) Examiner: Jack S. Chen  
IMPLANTATION PROCESS USING A PLASMA )  
SOURCE HAVING LOW DISSOCIATION AND )  
LOW MINIMUM PLASMA VOLTAGE )  
)  
Serial No.: 10/646,533 )  
)  
Filing Date: August 22, 2003 )

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97(c)

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with 37 CFR 1.56, the references listed below and on the attached form PTO-1449 are being brought to the attention of the Examiner for consideration in connection with the examination of the above-identified patent application. A copy of each foreign patent document and/or non-patent literature is enclosed.

This information is being submitted subsequent to the later of three months after the filing date of the present application or the mailing of the first Office Action on the merits, but before the mailing of a final action or the notice of allowance.

Accordingly, please see attached Fee Transmittal authorizing payment to the Commissioner to cover the fee under 37 CFR 1.17(p).

05/26/2005 ZJU HAR1 00000048 500338 10646533

01 FC:1806 180.00 DA

It is respectfully requested that the Examiner indicate consideration of the cited references by returning a copy of the attached form PTO-1449 with initials or other appropriate marks.

Respectfully submitted,



Dated:

05/24/2005

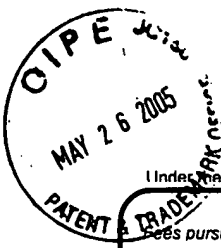
Robert M. Wallace

Reg. No. 29,119

**Customer No. 000044843**

Attorney for Applicants

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PTO/SB/17 (12-04v2)

Approved for use through 07/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Effective on 12/08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

# FEE TRANSMITTAL

## For FY 2005

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 180.00

**Complete if Known**

Application Number	10/646,533
Filing Date	08/22/2003
First Named Inventor	Kenneth COLLINS, et al.
Examiner Name	Unknown
Art Unit	2813
Attorney Docket No.	006915 P02

**METHOD OF PAYMENT** (check all that apply)☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): \_\_\_\_\_☒ Deposit Account Deposit Account Number: 50-0338 Deposit Account Name: Robert M. Wallace

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee☐ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☐ Credit any overpayments

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**FEE CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

**2. EXCESS CLAIM FEES****Fee Description**

Each claim over 20 (including Reissues)

Each independent claim over 3 (including Reissues)

Multiple dependent claims

Fee (\$)	Small Entity Fee (\$)
50	25
200	100
360	180

**Total Claims**      **Extra Claims**      **Fee (\$)**      **Fee Paid (\$)**

\_\_\_\_\_ - 20 or HP = \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_

HP = highest number of total claims paid for, if greater than 20.

**Indep. Claims**      **Extra Claims**      **Fee (\$)**      **Fee Paid (\$)**

\_\_\_\_\_ - 3 or HP = \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_

HP = highest number of independent claims paid for, if greater than 3.

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

<b>Total Sheets</b>	<b>Extra Sheets</b>	<b>Number of each additional 50 or fraction thereof</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>
_____ - 100 = _____	_____ / 50 = _____	(round up to a whole number) x _____	_____	_____

**4. OTHER FEE(S)**

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): Submission of an Information Disclosure Statement Fee under 1.17(p)**Fees Paid (\$)**

180.00

**SUBMITTED BY**

Signature	<u>Robert M. Wallace</u>	Registration No. (Attorney/Agent) 29,119	Telephone 805-644-4035
Name (Print/Type)	Robert M. Wallace	Date	<u>May 24, 2005</u>

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

**INFORMATION  
DISCLOSURE  
STATEMENT BY APPLICANT**

Sheet 1 of 1



Application Number: 10/646,533  
 Filing Date: August 22, 2003  
 First Named Inventor: Kenneth Collins, et al.  
 Group Art Unit: 2813  
 Examiner Name: Jack S. Chen  
 Attorney Docket Number: 006915 P02

**U. S. PATENT DOCUMENTS**

Examiner Initials	Document No	Publication Date	Name of Patentee or Applicant of Cited Document	Class	Subclass	Filing Date
	US-4,584,026	04-22-1986	WU ET AL.	148	1.5	07-25-1984
	US-5,510,011	04-23-1996	OKAMURA ET AL.	204	192.3	12-22-1994
	US-6,020,592	02-01-2000	LIEBERT ET AL.	250	492.21	08-03-1998
	US-6,101,971	08-15-2000	DENHOLM ET AL.	118	723E	08-15-2000
	US-6,139,697	10-31-2000	CHEN ET AL.	204	192.15	01-31-1997
	US-6,513,538	02-04-2003	CHUNG ET AL.	134	1.2	05-22-2001
	US-6,811,448	11-02-2004	PATON ET AL.	439	706	07-15-2003
	US-6,838,695	01-04-2005	DORIS ET AL.	257	55	11-25-2002

**FOREIGN PATENT DOCUMENTS**

Examiner Initials	Foreign Patent Document	Publication Date	Country	Name of Patentee or Applicant of Cited Document	Translation? (Yes/No/n/a)

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials	
	<b>Wolf, Stanley and Taubner, Richard, "Silicon Processing for the VLSI Era", 2000, Lattice Press, Vol. 1, pages 303-308.</b>

Examiner's Signature:

Date Considered:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.